1   transmitting <u>one or more first</u> signals from said origination stations, said <u>first</u>

2   signals including at least <u>one generation instruction</u> and at <u>least one signal</u> for

3   comparison;

4   said plurality of intermediate transmission stations receiving said signals,

5   detecting said generation instruction, each said intermediate transmission station

6   passing said generation instruction and said signal for comparison to its automatic

7   control unit, each intermediate transmission station generating a <u>second</u> signal in

8   accordance with said generation instruction and transferring its generated <u>second</u> signal

9   to its transmitter based on one or more comparisons performed by its automatic control

10   unit; and

11   said plurality of intermediate transmission stations generating and transmitting

12   different <u>second</u> signals.

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13   Please add the following claim(s):

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14   9.   The method of claim 3, wherein said generation instruction instructs said

15   plurality of intermediate transmission stations to generate software and said automatic

16   control units are programmed with different data of at least one formula or item to be

17   generated, said method further comprising the steps of transmitting an instruction from

18   said origination stations which is effective at said plurality of intermediate transmission

19   stations to generate said data of at least one formula or item based on information

20   stored at said plurality of intermediate transmission stations, to insert said at least one

21   formula or item in one of higher language code and a software module, to compile or

2

1   link said generated software, or to generate machine language code based on said data

2   of at least one formula or item.

3   10.   The method of claim 3, wherein said automatic control units are

4   programmed to respond to said at least one generation instruction at different times,

5   said method further comprising the step of programming at least one receiver station in

6   said network to assemble code in response to one or more of said first signals.

7   11.   The method of claim 3, wherein said first signals contain one or more

8   units of mass medium programming, said method further comprising the steps of:

9   receiving a control signal which operates at said plurality of intermediate

10   transmitter stations to communicate said units of programming to at least one

11   transmitter; and

12   retransmitting said one or more units of programming.

13   12.   The method of claim 3, wherein each intermediate transmission station

14   includes one or more selective transmission devices and each automatic control unit is

15   programmed with information of the operating speeds, connections, or capacities of its

16   one or more selective transmission devices, said method further comprising the step of

17   transmitting from said one or more origination stations an instruct signal which is

18   effective to cause at least one of said plurality of intermediate transmission stations to

19   perform one of (1) storing different ones of said at least one generation instruction and

20   said at least one signal for comparison at different ones of its one or more selective

21   transmission devices and (2) storing said at least one generation instruction and said at

22   least one signal for comparison in a specific order.

3

1   13.   The method of claim 12, wherein the one or more selective transmission

2 devices at at least one intermediate transmission station comprise a computer and a

3 memory.

4   14.   The method of claim 3, wherein each automatic control unit is

5 programmed to control a storage device, said method further comprising the step of

6 instructing different ones of said plurality of intermediate transmission stations to store

7 and retransmit different portions of said first signals.

8   15.   The method of claim 3, wherein each automatic control unit is

9 programmed to control a switch, said method further comprising the step of instructing

10 different ones of said plurality of intermediate transmission stations each to cause its

11 switch to communicate a specific portion of said first signals and said second signals at

12 different times or on different channels.

13   16.   The method of claim 3, wherein each of said plurality of intermediate

14 transmission stations retransmits programming on a plurality of channels, said method

15 further comprising the step of instructing different ones of said plurality of intermediate

16 transmission stations to transmit a specific portion of said first signals on different

17 channels.

18   17.   The method of claim 3, further comprising the step of causing different

19 ones of said plurality of intermediate transmission stations to retransmit at least some

20 portion of said first signals at different times or one different channels based on said at

21 least one signal for comparison.

4

1   18.   The method of claim 3, further comprising the steps of:

2   programming at least one of said plurality of intermediate transmission stations

3   to select at least one of said at least one generation instruction and said at least one

4   signal for comparison in accordance with a schedule; and

5   transmitting at least some of said schedule from said origination stations.

6   19.   The method of claim 3, wherein a retransmission control signal instructs

7   said plurality of intermediate transmission stations to retransmit immediately, said

8   method further comprising the step of selecting at least a portion of one or more of said

9   at least one generation instruction and said at least one signal for comparison to store

10 and retransmit.

11 20.   The method of claim 3, wherein each automatic control unit is

12 programmed to organize at least some portions of said first signals in a specific order,

13 said method further comprising the step of causing different ones of said plurality of

14 intermediate transmission stations to organize said at least one generation instruction

15 and said at least one signal for comparison in different orders.

16 21.   The method of claim 3, wherein each automatic control unit is

17 programmed to insert at least one datum or control instruction in at least some portion

18 of said first signals, said method further comprising the step of causing different one of

19 said plurality of intermediate transmission stations to insert different data or control

20 instructions.

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